



2/24

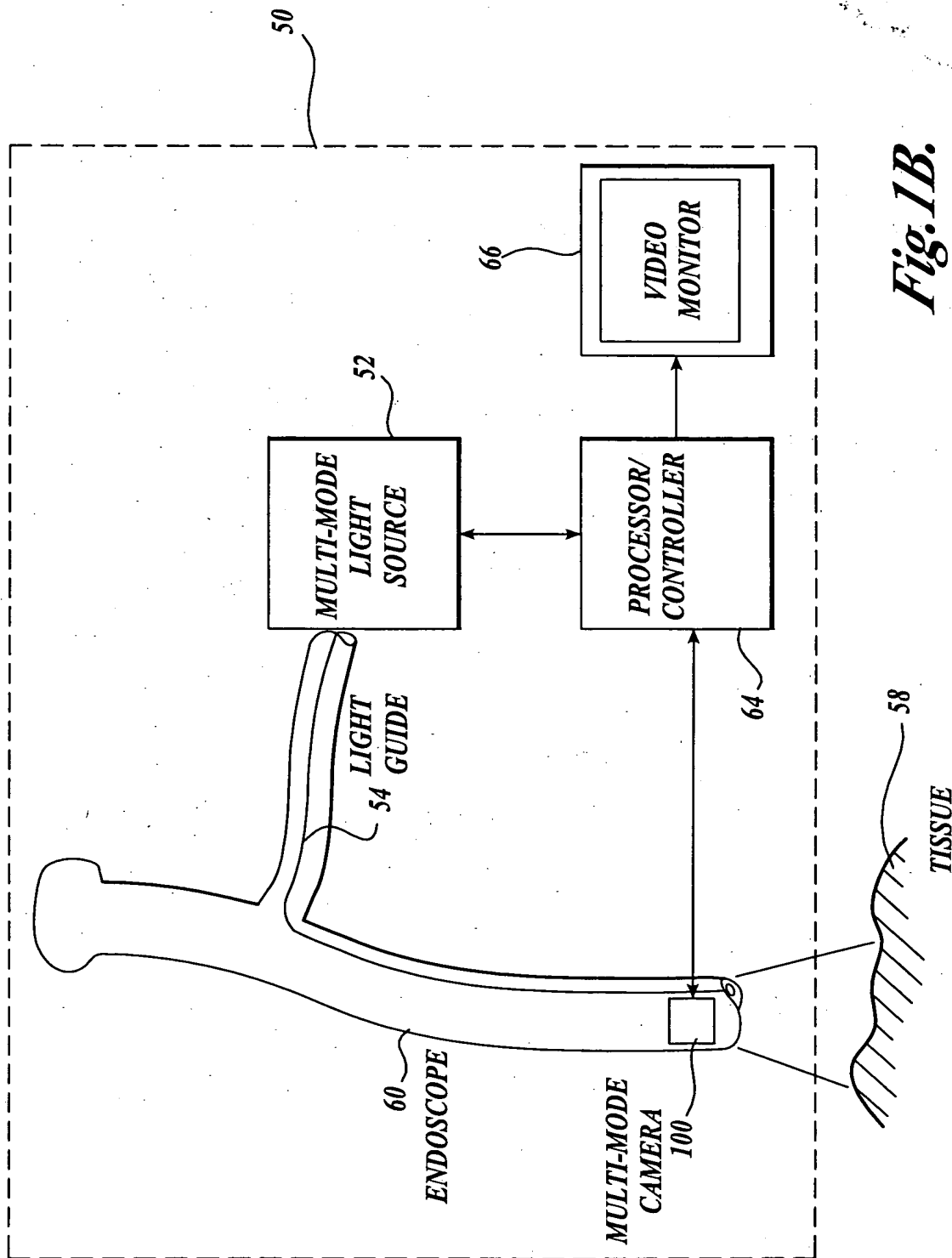
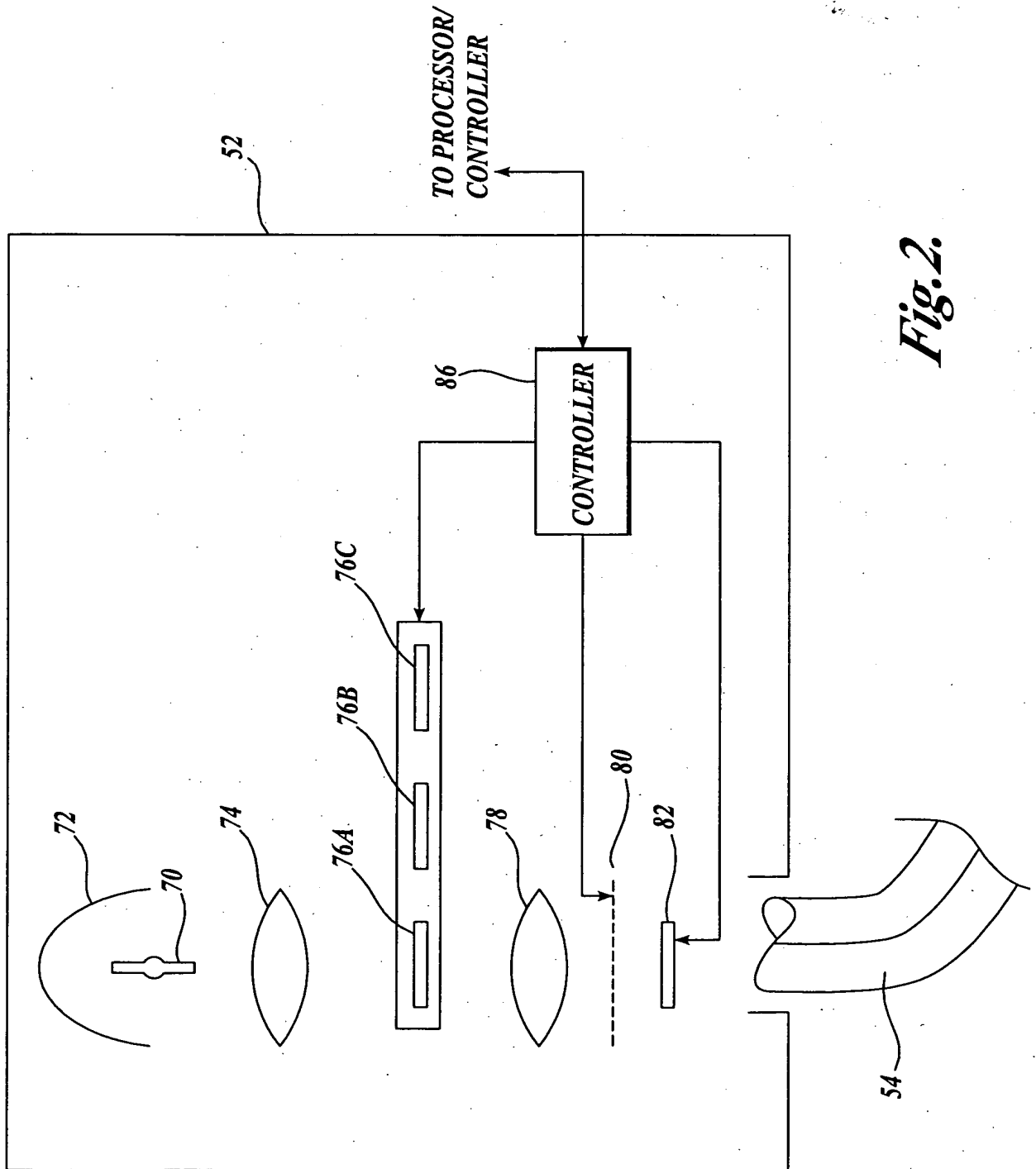


Fig. 1B.

FIG. 1B

3/24



4/24

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CONTROLLER

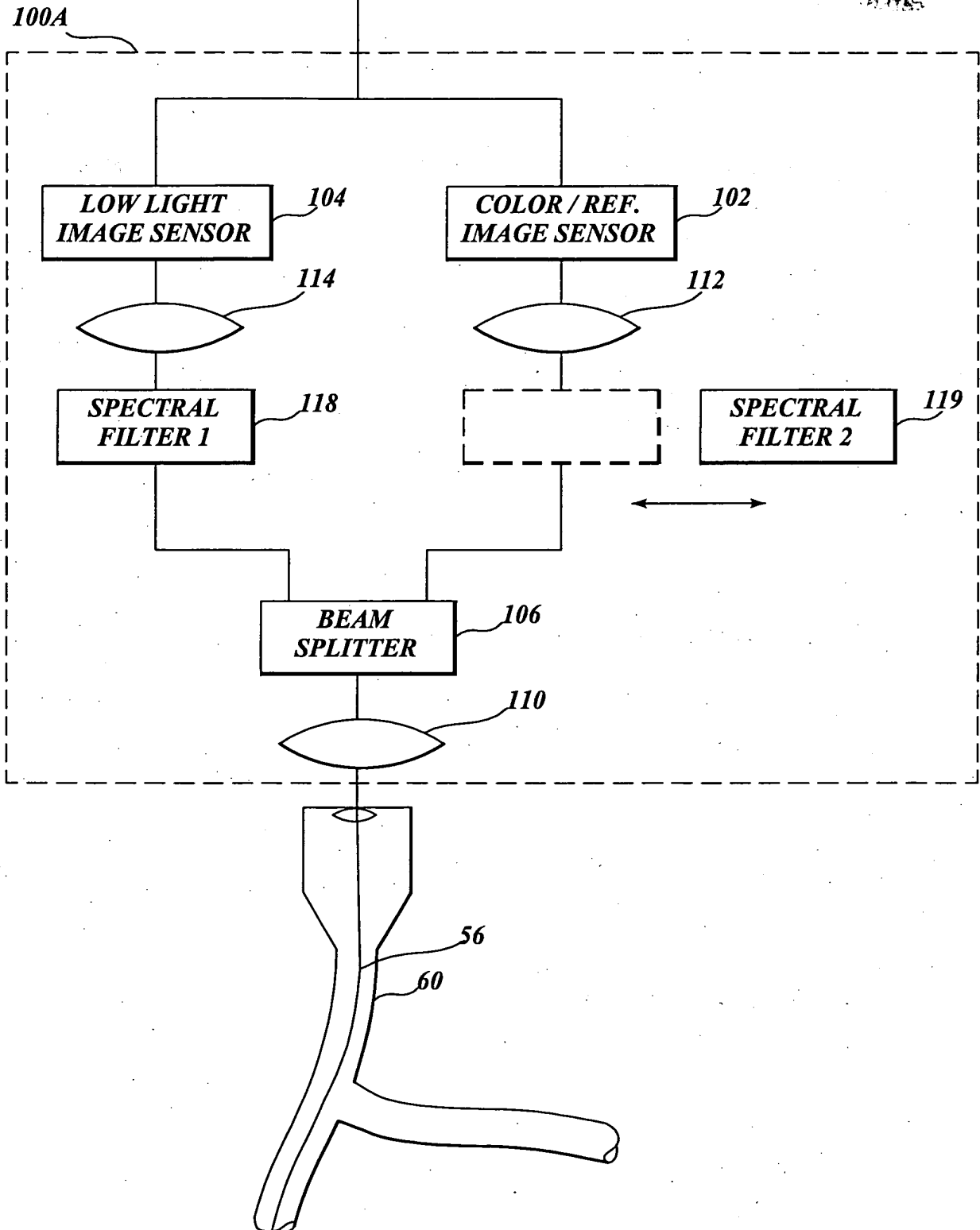


Fig.3A.

5/24

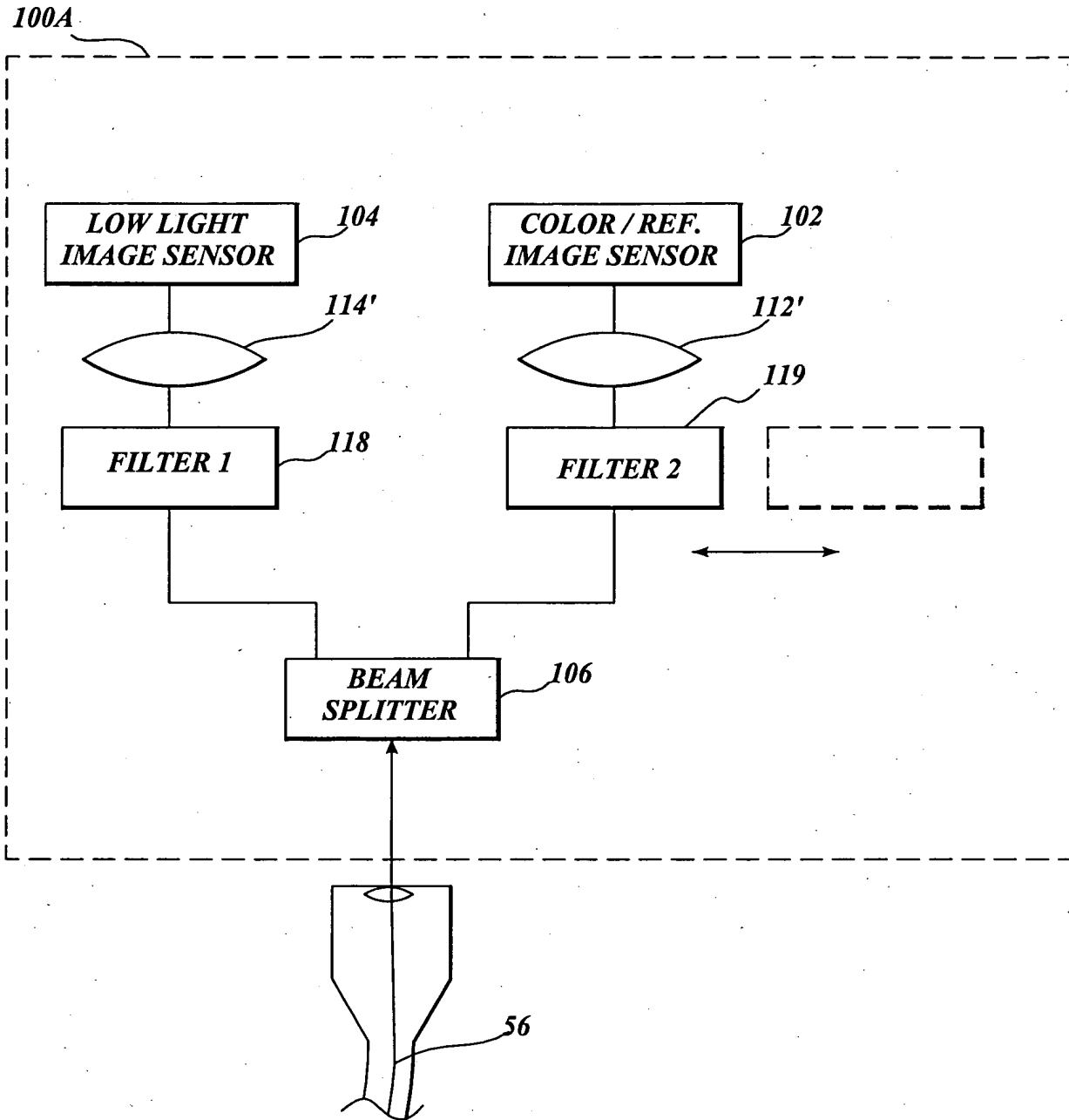


Fig. 3B.

6/24

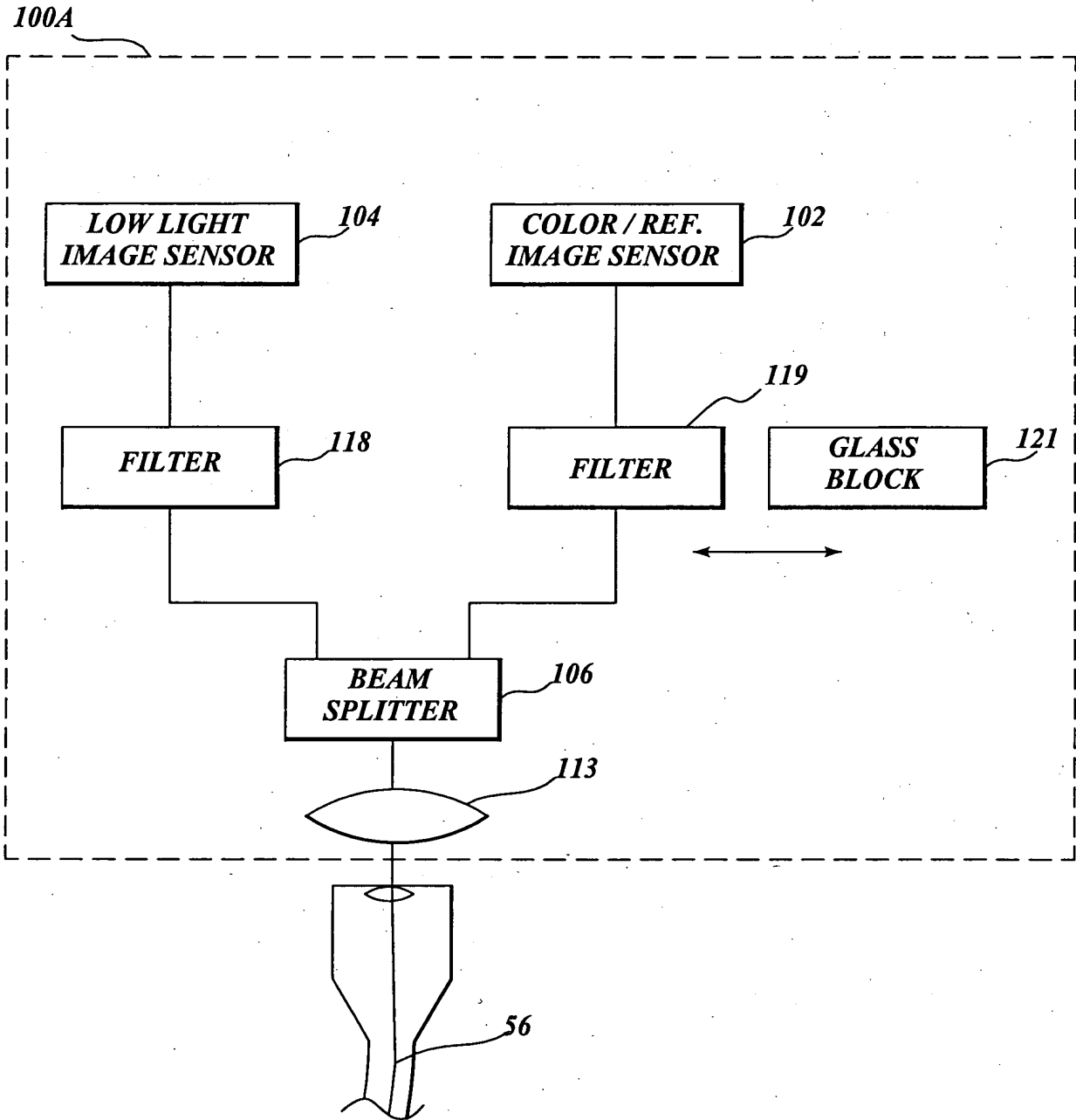


Fig.3C.

7/24

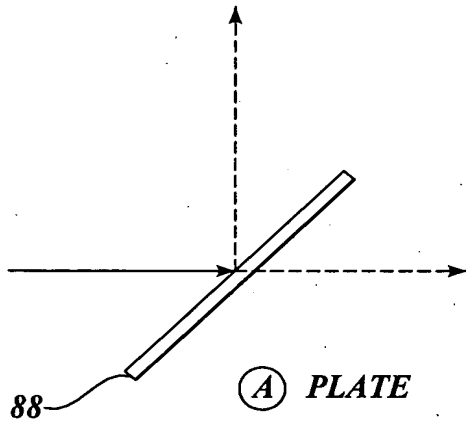


Fig. 4A.

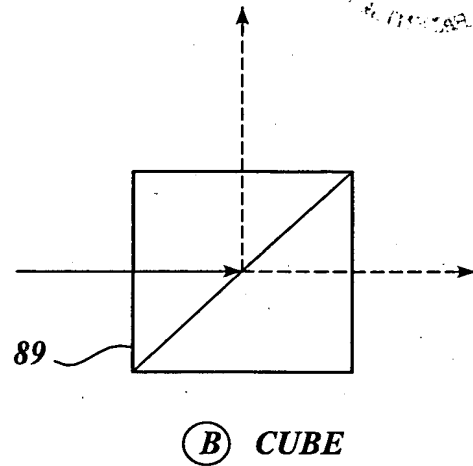


Fig. 4B.

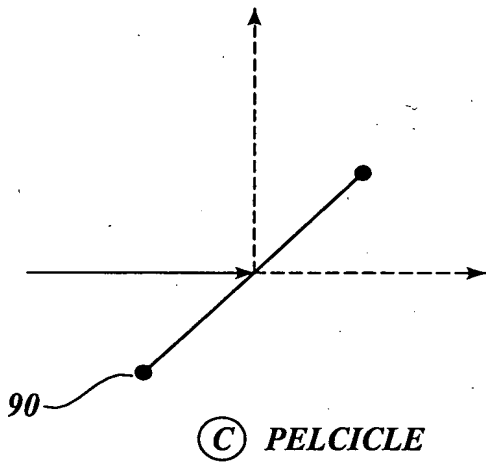


Fig. 4C.

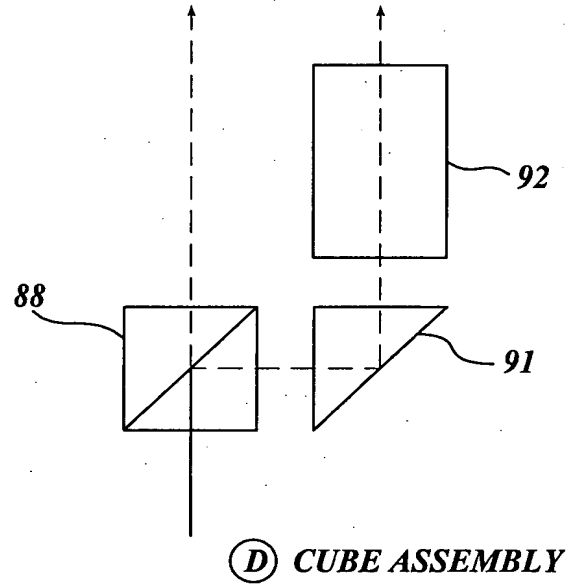


Fig. 4D.

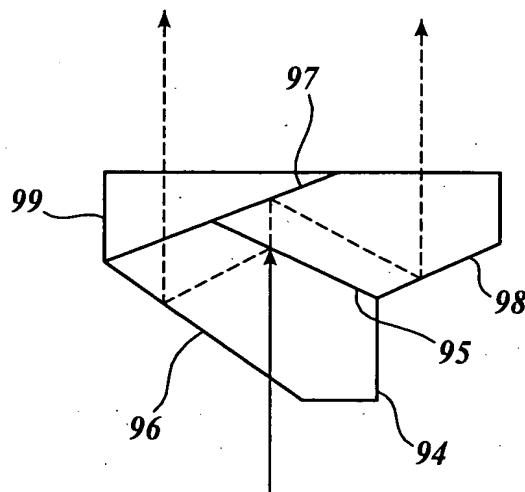


Fig. 4E.

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8/24

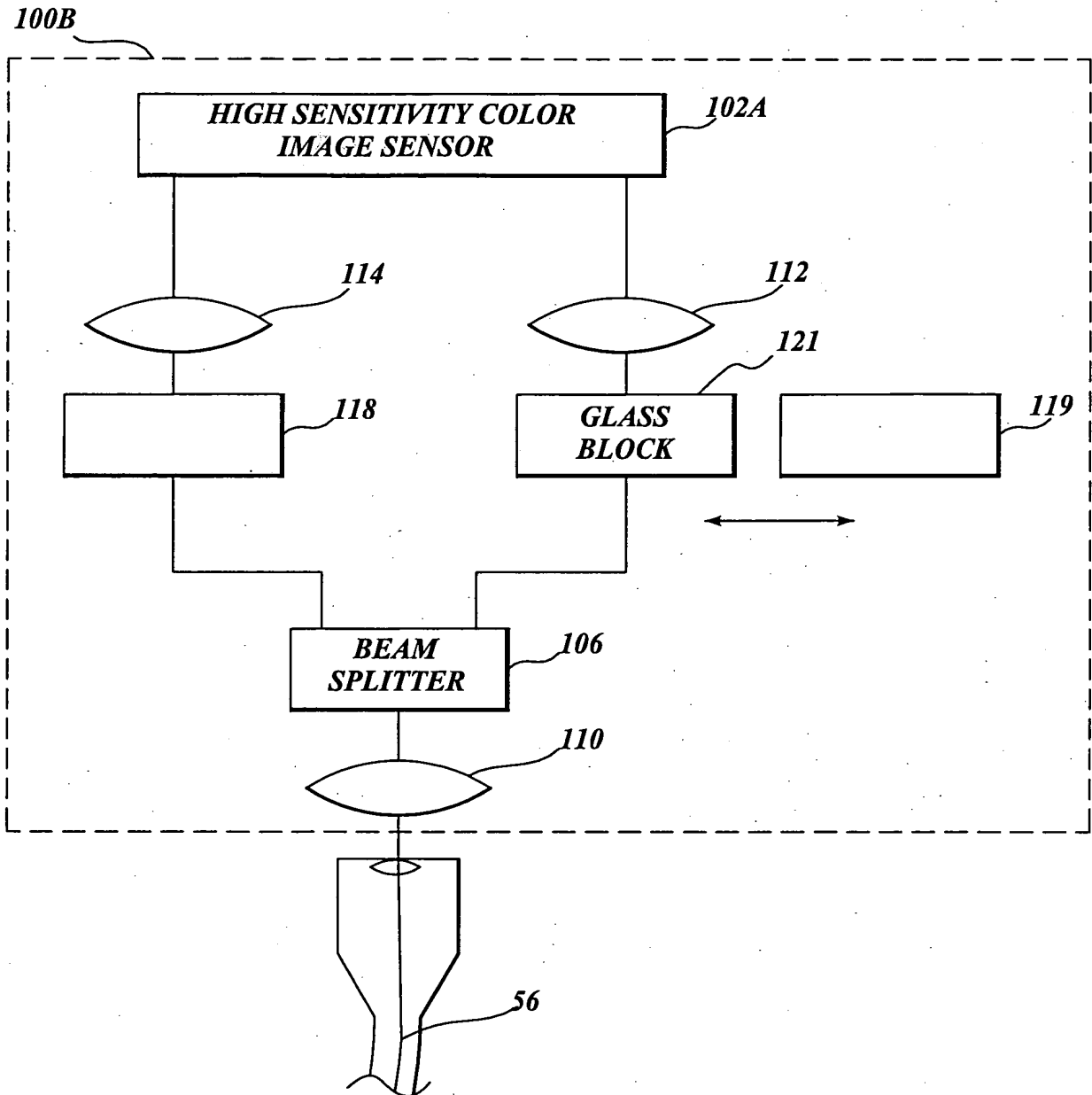


Fig. 5.

FIG. 5

9/24

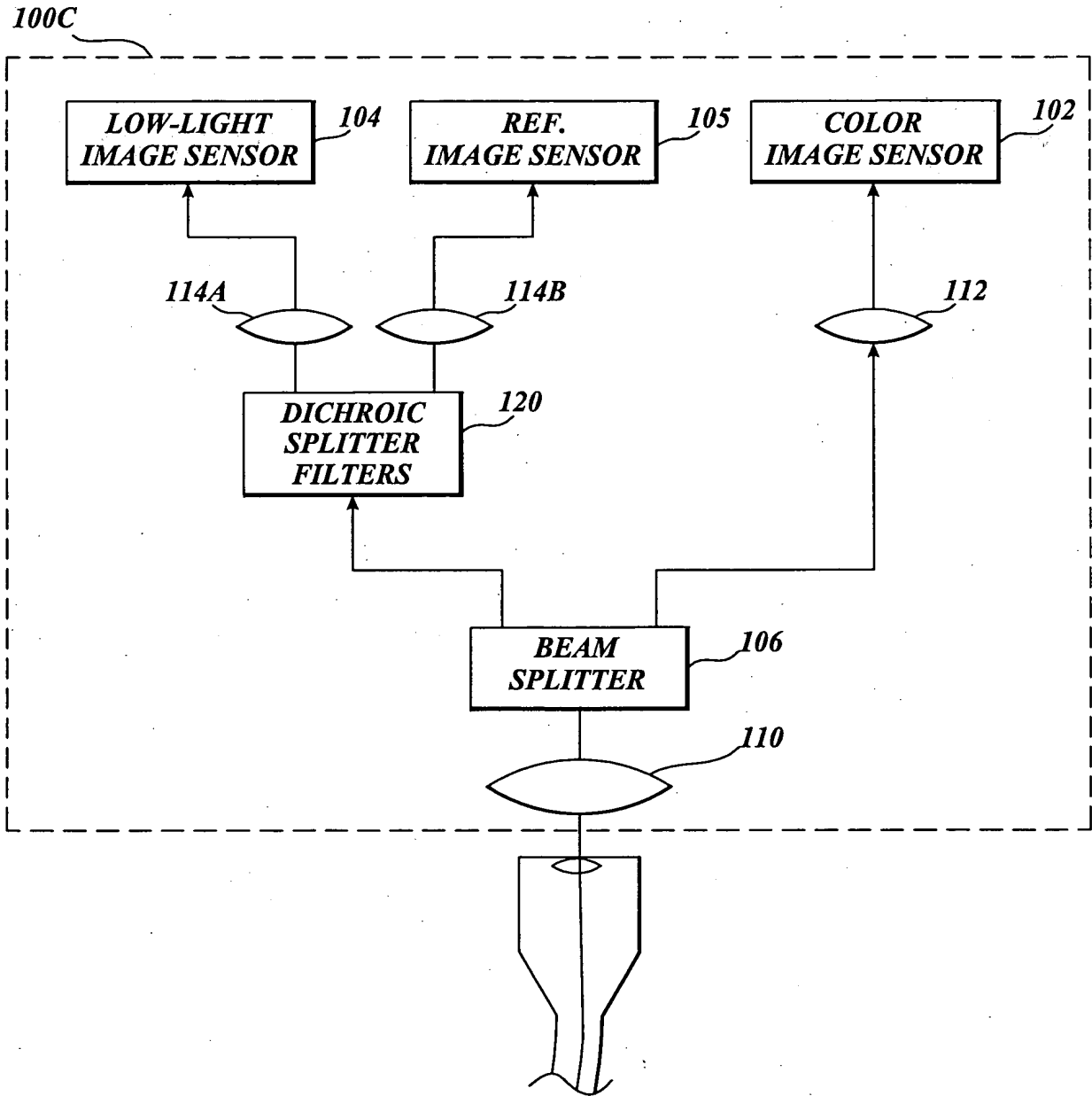
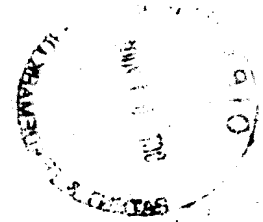


Fig. 6.

10/24

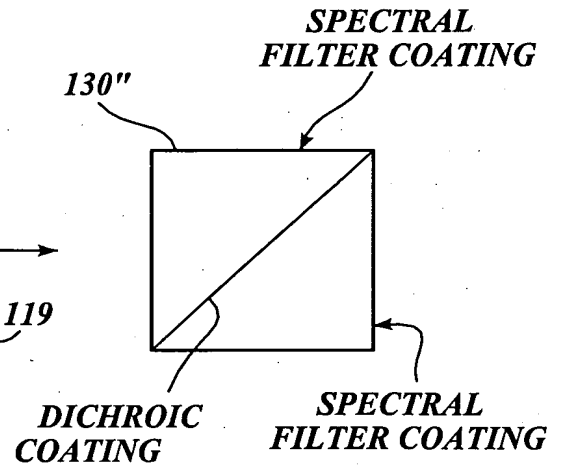
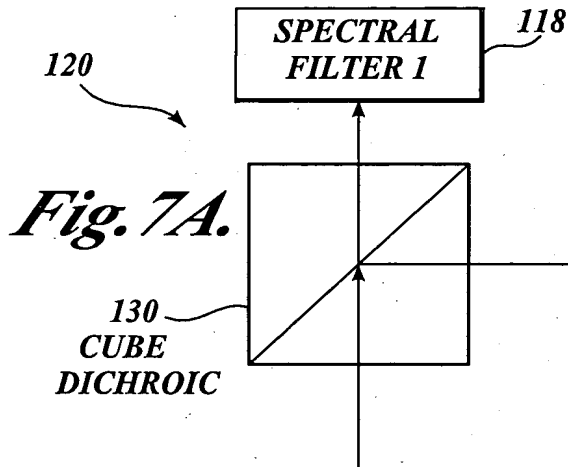


Fig. 7B.

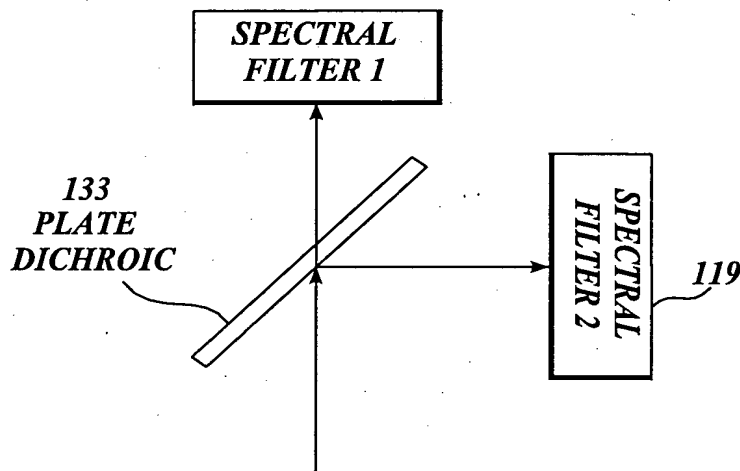


Fig. 7C.

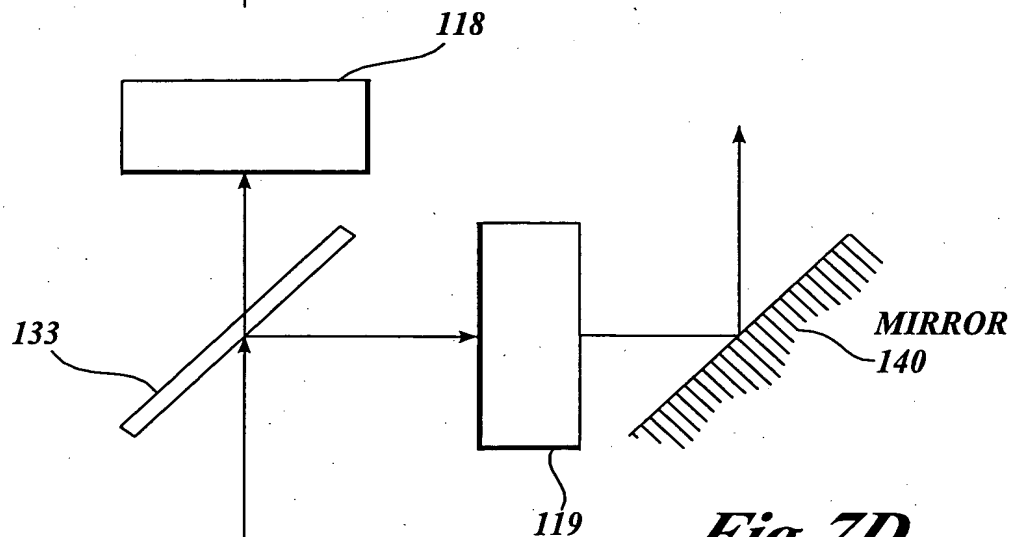


Fig. 7D.

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11/24

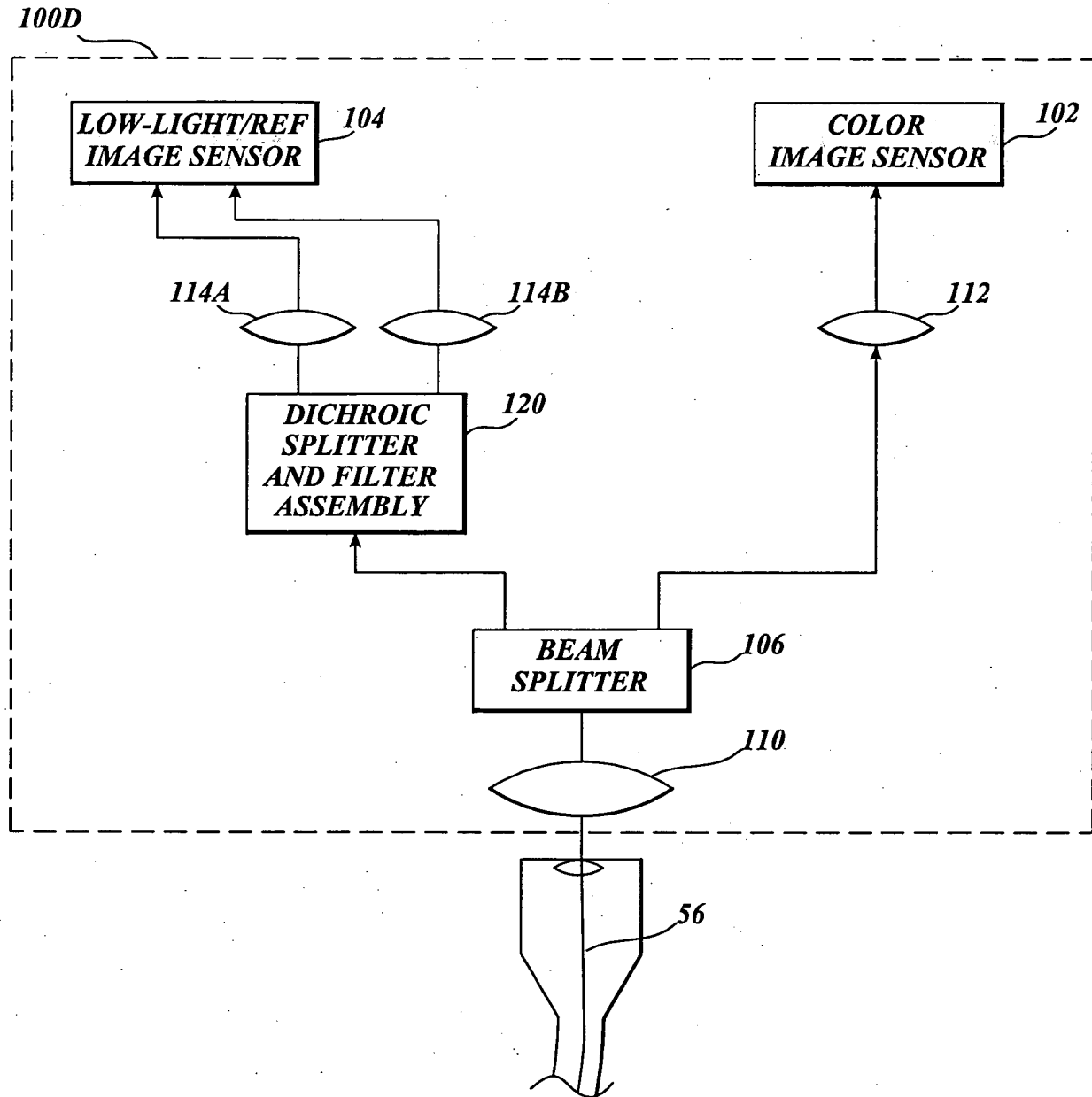


Fig. 8.



12/24

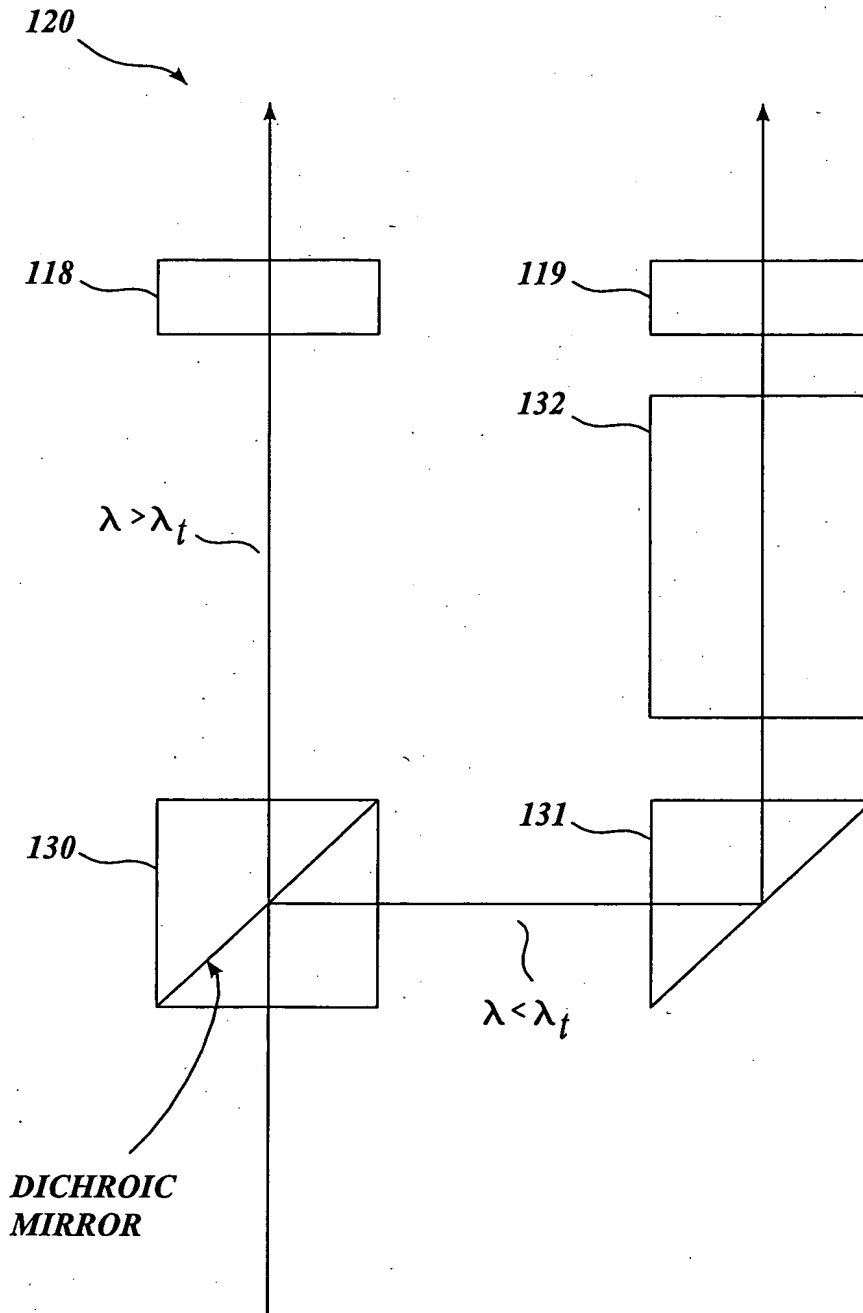


Fig. 9A.

TOP SECRET



13/24

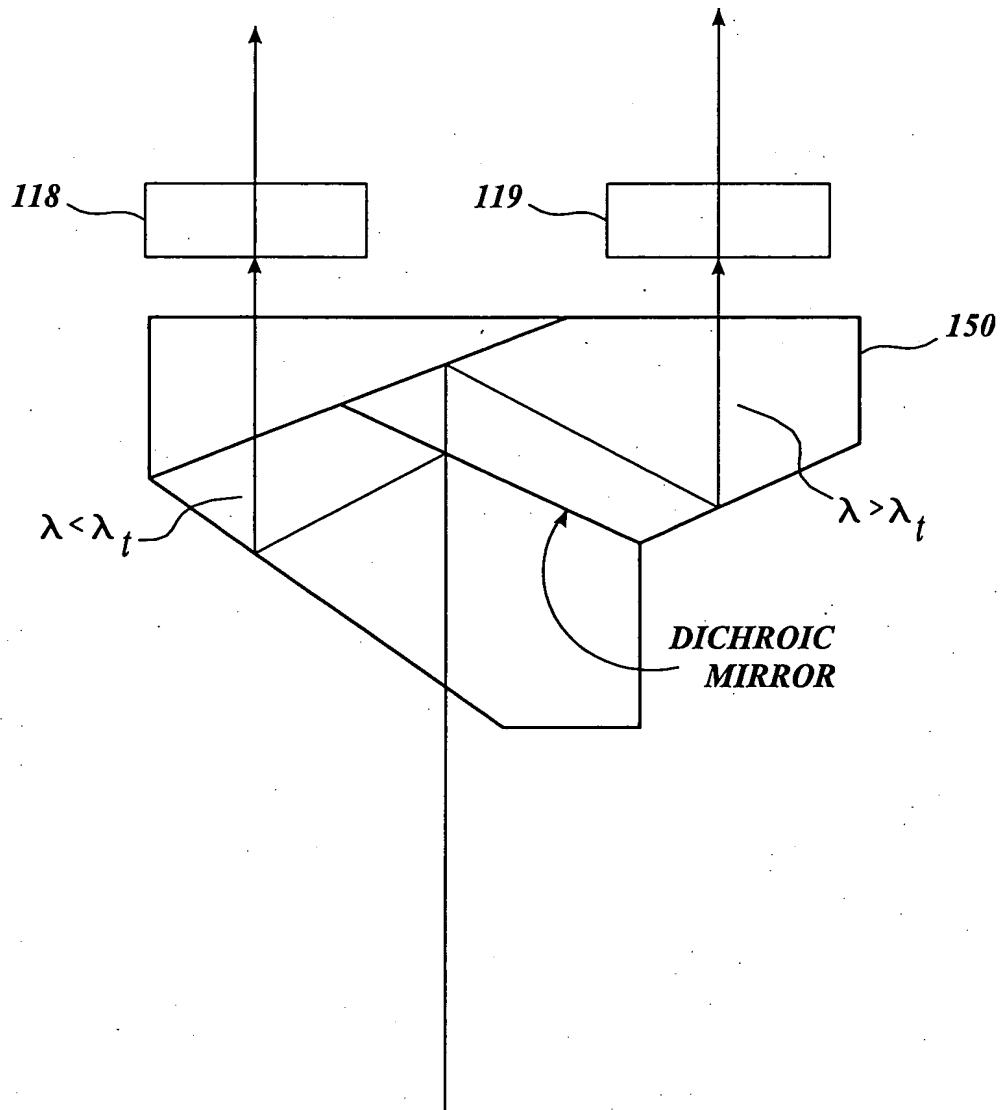


Fig. 9B.

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14/24

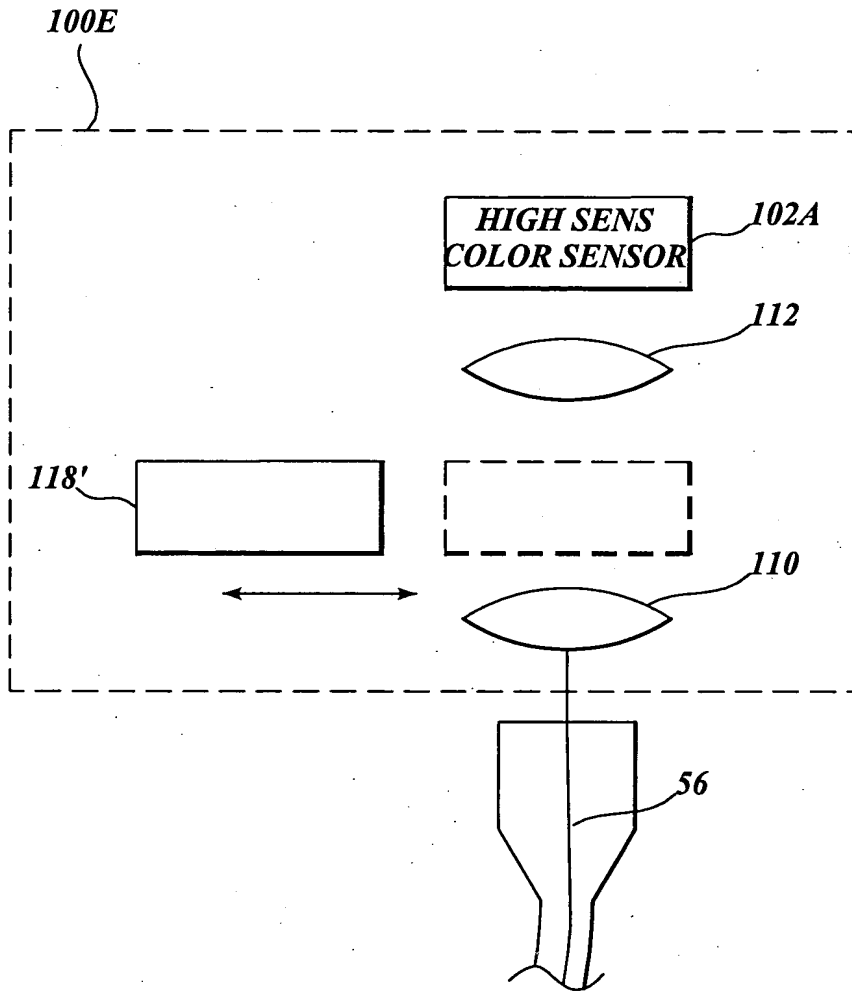


Fig. 10.

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15/24

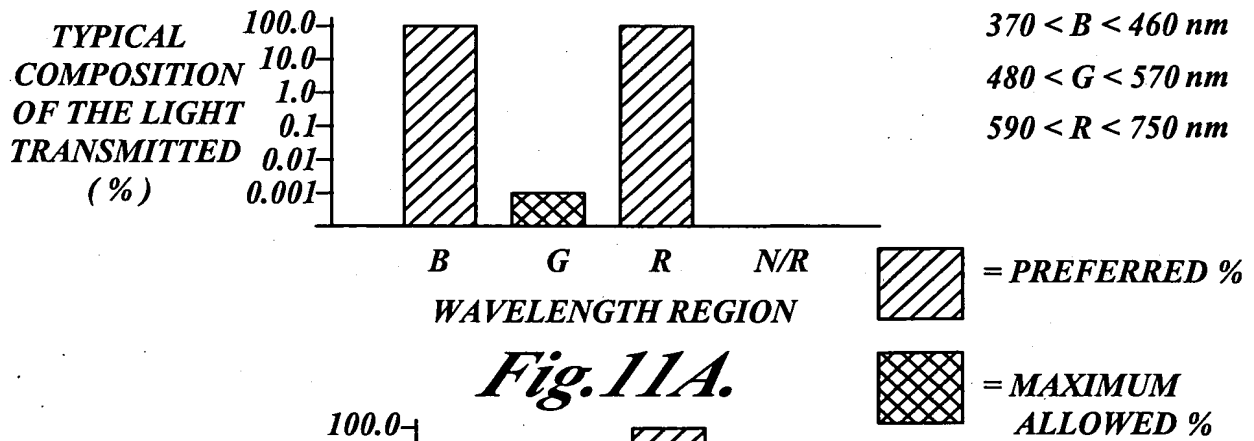


Fig. 11A.

Fig. 11B.

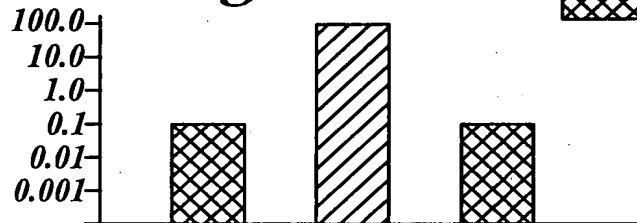


Fig. 11C.

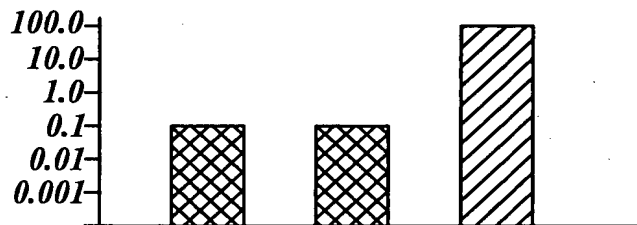
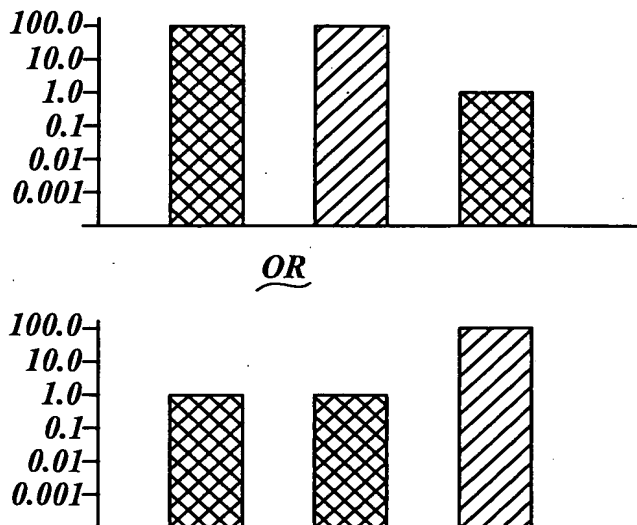


Fig. 11D.



16/24

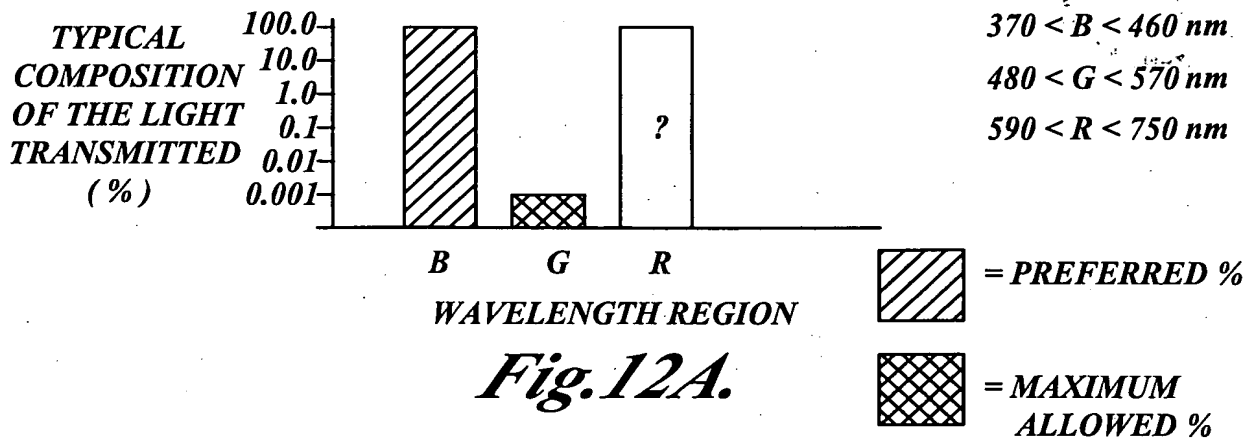


Fig. 12B.

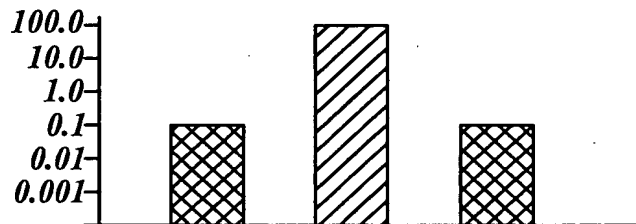


Fig. 12C.

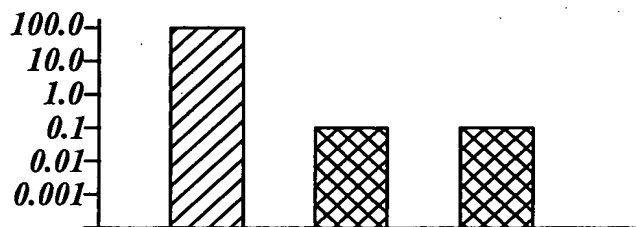
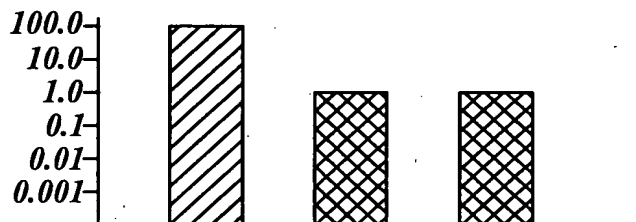
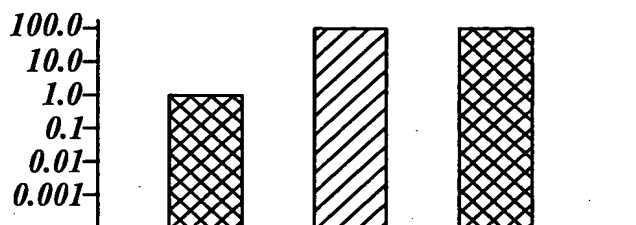


Fig. 12D.



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17/24

Fig. 13A.

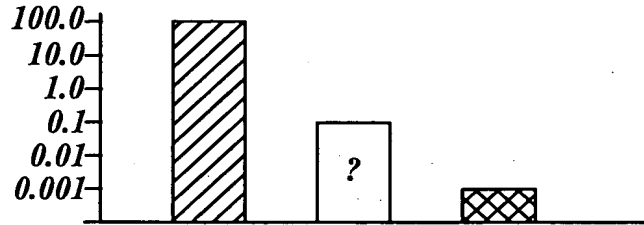


Fig. 13B.

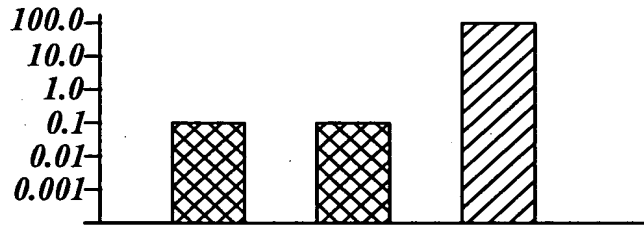


Fig. 13C.

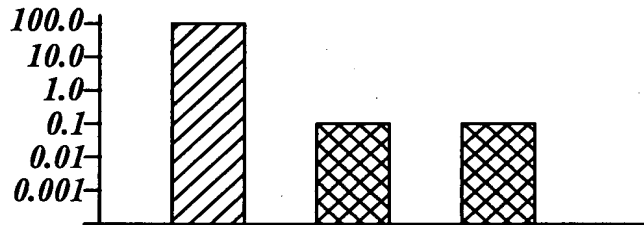
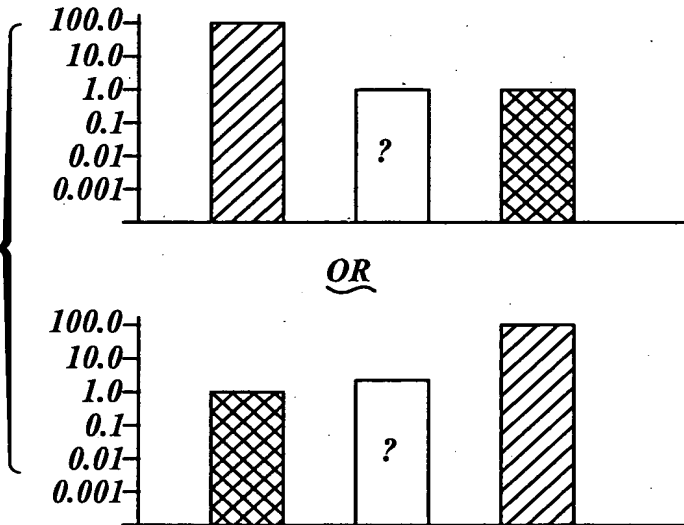


Fig. 13D.



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18/24

Fig. 14A.

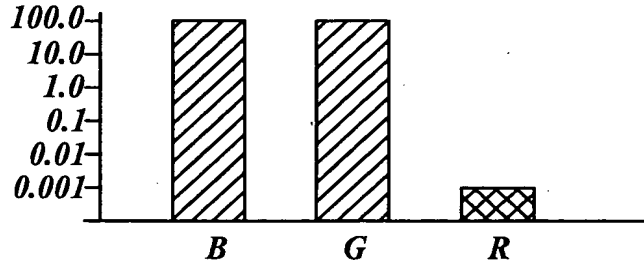


Fig. 14B.

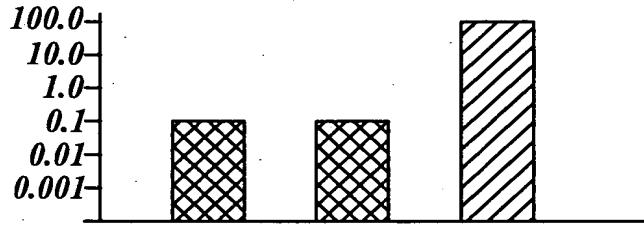


Fig. 14C.

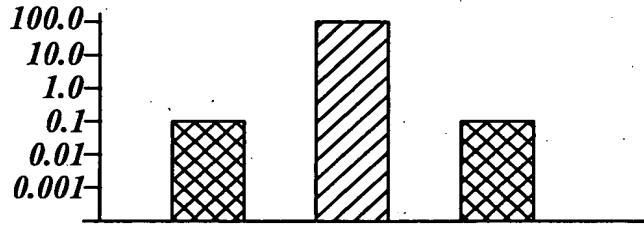
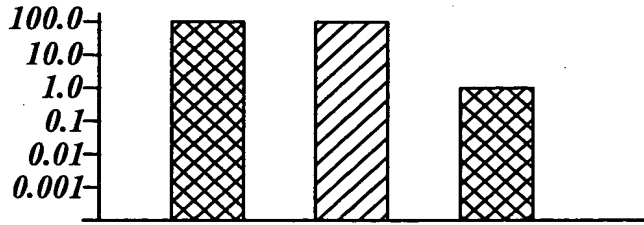
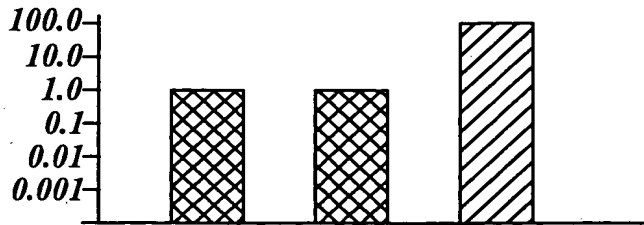


Fig. 14D.



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TOP SECRET 100101

19/24

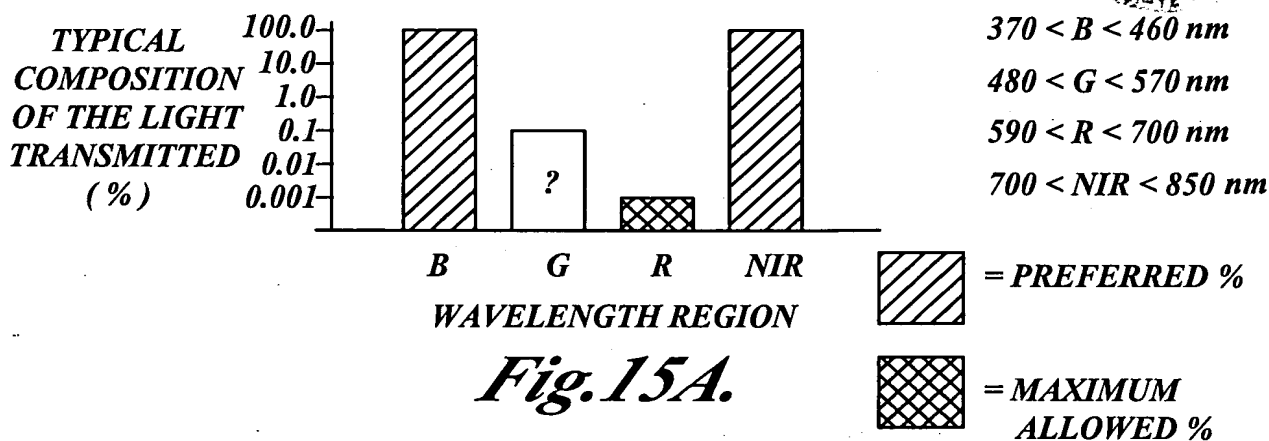


Fig.15B.

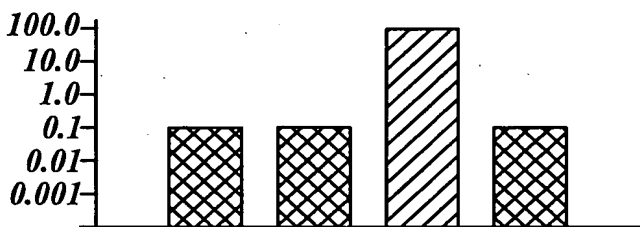


Fig.15C.

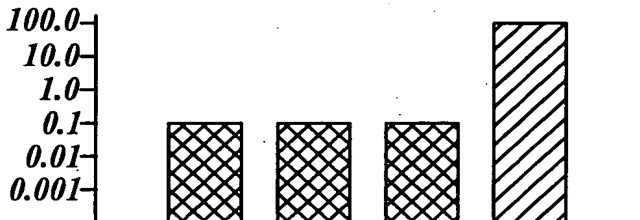
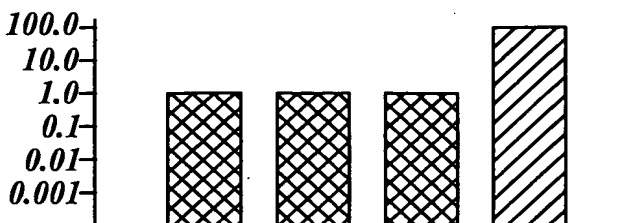
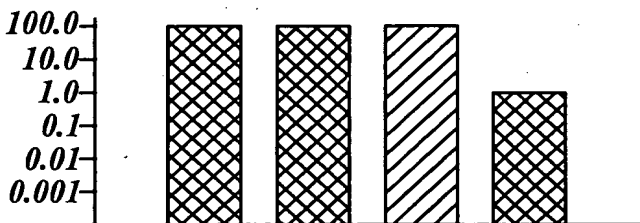


Fig.15D.



FOOT 24950660

20/24

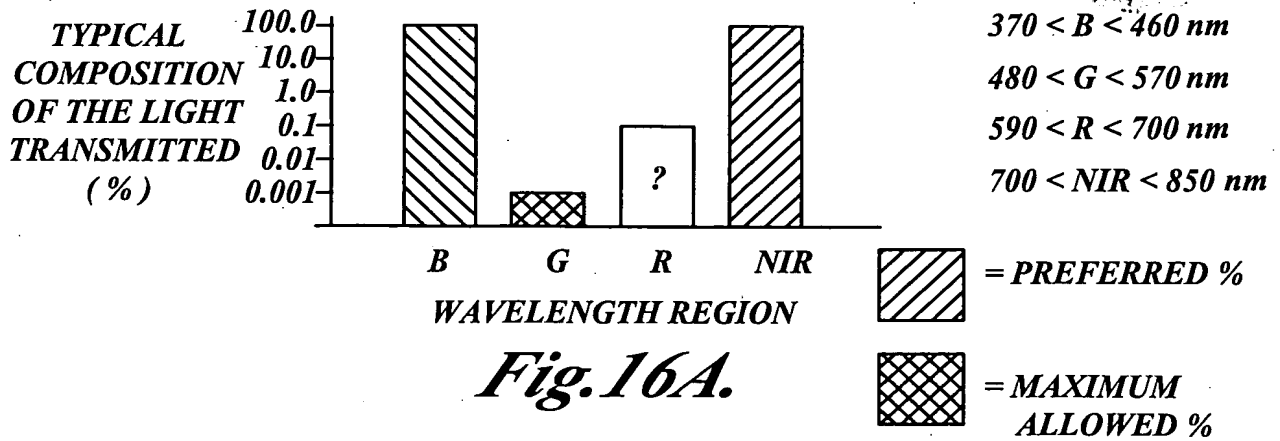


Fig. 16A.

Fig. 16B.

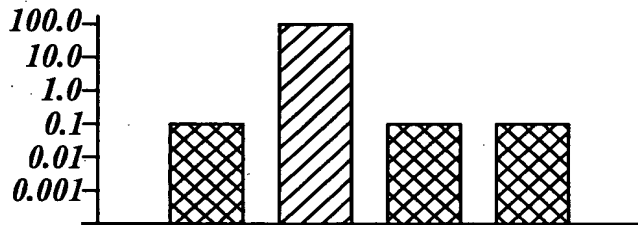


Fig. 16C.

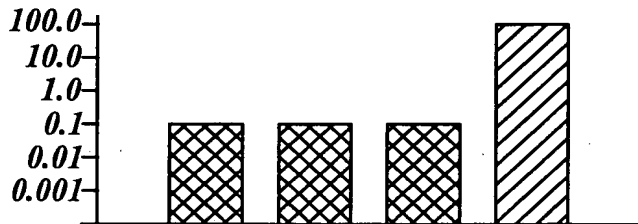


Fig. 16D.

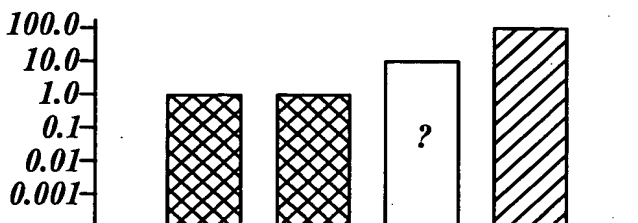
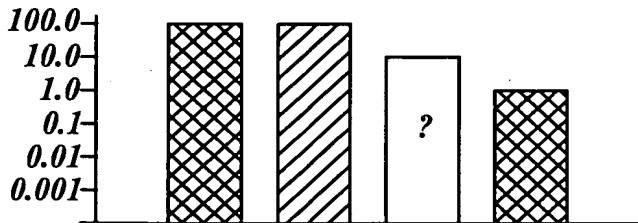


Fig. 17A.

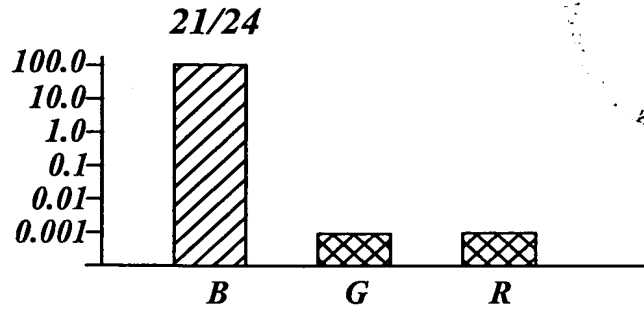


Fig. 17B.

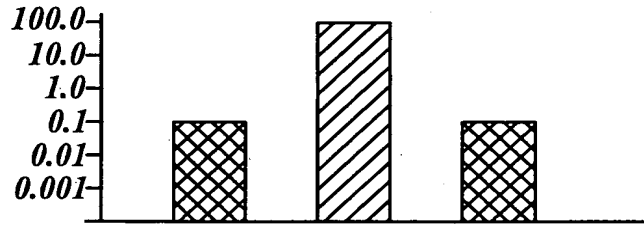


Fig. 17C.

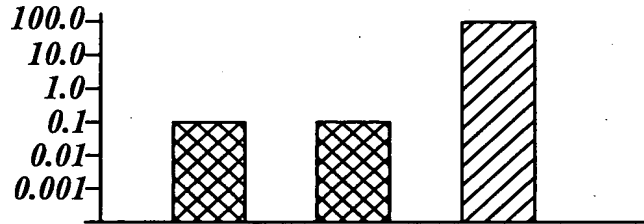
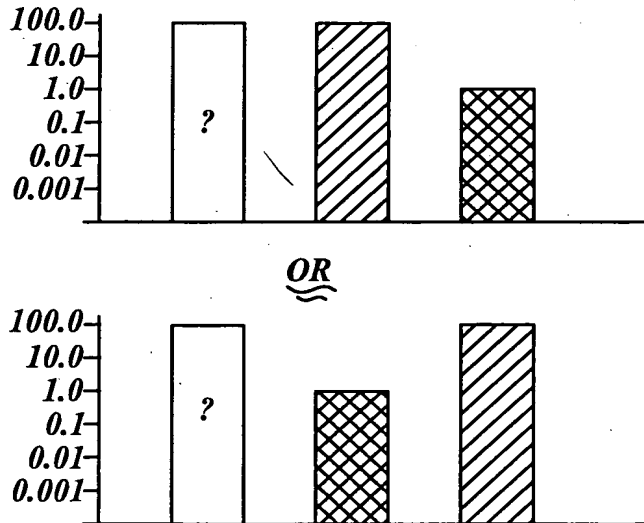
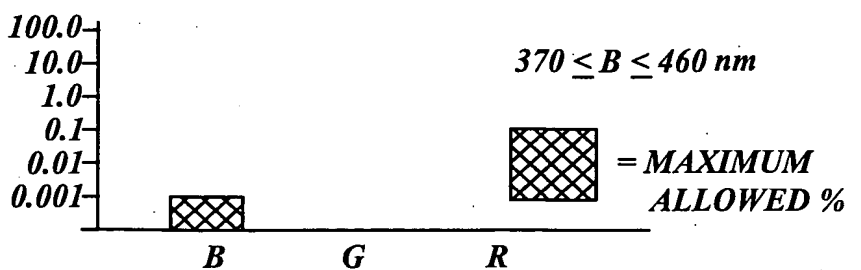


Fig. 17D.



TYPICAL
 COMPOSITION
 OF THE LIGHT
 TRANSMITTED
 (%)

Fig. 18.



FOOTNOTES 21950660

22/24

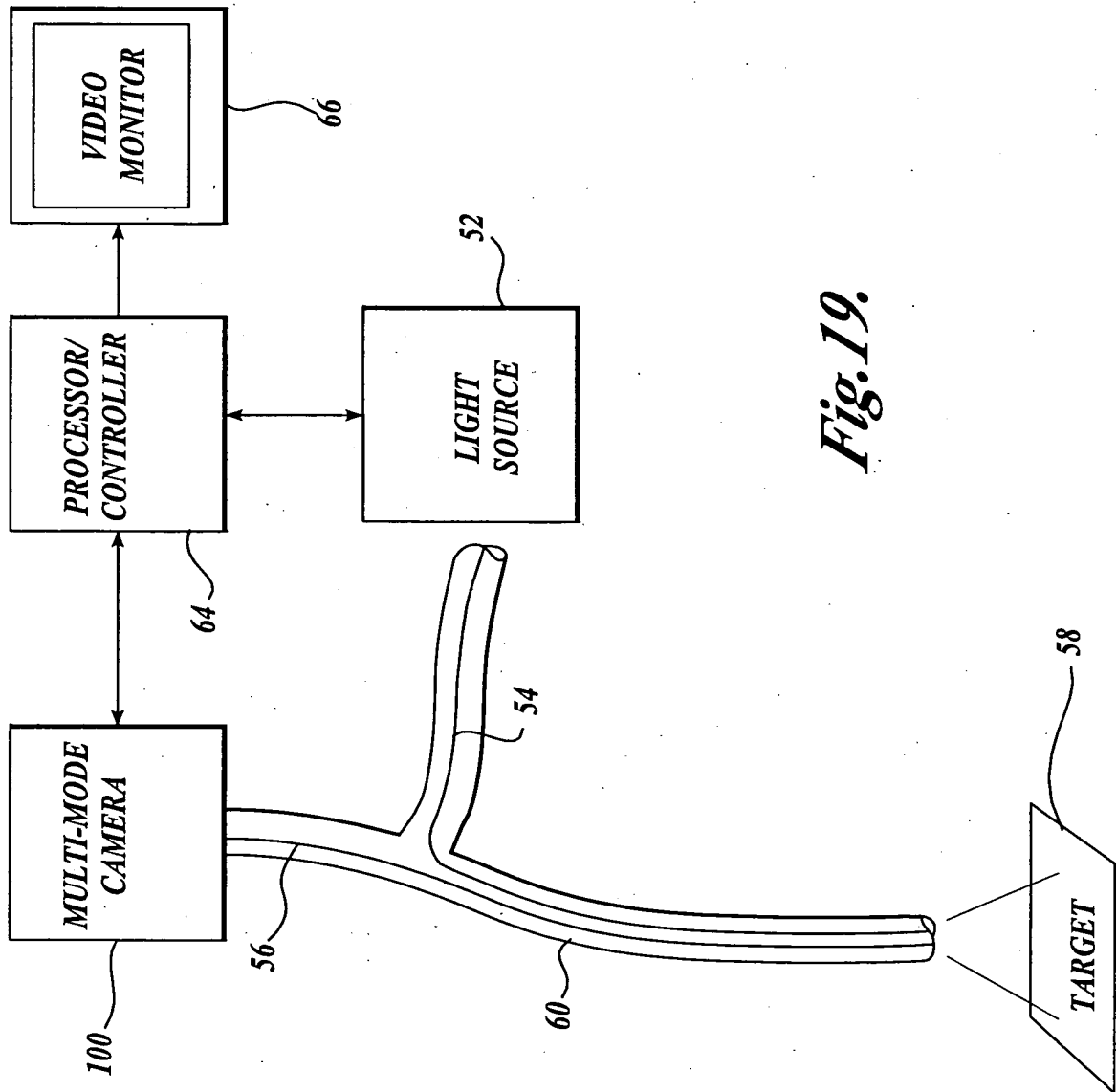


Fig. 19.

FIG. 19

----- PRIMARY FLOURESCENCE
SIGNAL
----- REFERENCE SIGNAL

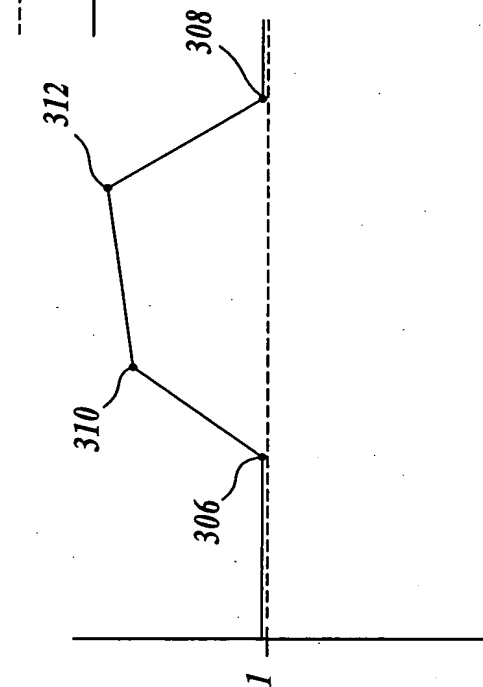


Fig. 22.

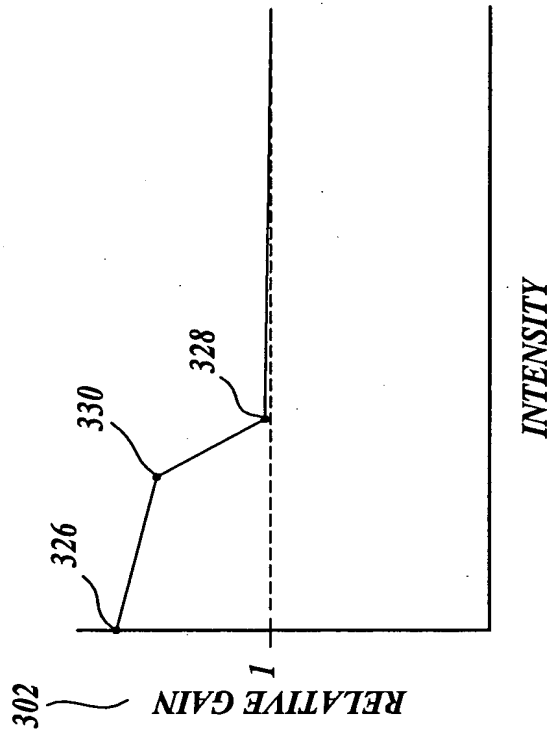
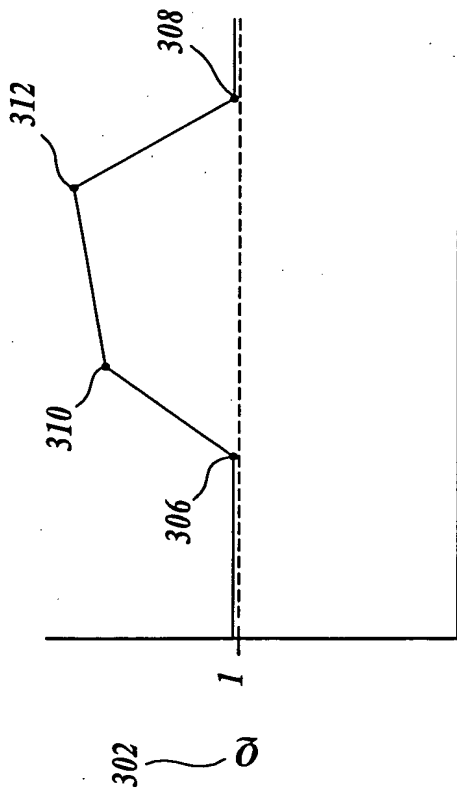


Fig. 21.

24/24

----- PRIMARY FLOUESCENCE
SIGNAL
----- REFERENCE SIGNAL



RATIO OF REFERENCE SIGNAL TO
PRIMARY FLOUESCENCE SIGNAL

304

Fig. 22.